

### REMARKS

Applicant has filed a Request for Continued Examination together with the Amendment in response to the Office Action dated May 22, 2003. Applicant has amended claims 1 and 21. Claims 10-20 were previously canceled without prejudice. Claims 1-9 and 21-26 are currently pending. Reexamination and reconsideration are respectfully requested.

Applicant would like to confirm that claims 25-26 are pending in the application. These claims were added in the Amendment mailed to the Patent Office on Nov. 27, 2002. Applicant notes that the Office Action Summary page states that claims 1-9 and 21-24 are pending and the Detailed Action on page 2, paragraph 2 states that claims 1-9 and 21-24 are pending. However, the Detailed Action on page 5, paragraphs 16-17, addresses claims 25 and 26. Thus, applicant assumes that a clerical error is present on the Office Action Summary page and on the Detailed Action page 2, paragraph 2 of the Office Action.

Claims 1-9 and 21-26 were rejected under 35 U.S.C. 102 as unpatentable over U.S. Patent No. 5,770,508 to Ma et al. ("Ma"). The rejection is respectfully traversed.

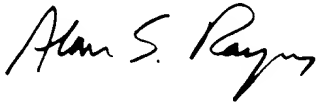
Applicant respectfully submits that the Examiner has cited no portion of Ma that describes or suggests the combination of steps recited in claim 1, as amended, including that "the ion-implanting includes implanting an impurity through the extension control layer into the semiconductor substrate and the implanting also includes implanting an impurity directly into the semiconductor substrate in a region adjacent to the extension control layer." It appears that Ma as cited by the Examiner shows implanting through another layer along the length of the implantation. Accordingly, applicant respectfully submits that for at least the above reasons, the rejection of claim 1 and its dependent claims 2-9 should be withdrawn.

Independent claim 21, as amended, recites in part that "the ion-implanting step includes implanting directly into the semiconductor substrate adjacent to the extension layer." For at least reasons similar to those discussed above for claim 1, applicant respectfully submits that the rejection of claim 21 and its dependent claims 22-26 should be withdrawn.

Applicant respectfully submits that claims 1-9 and 21-26 are in condition for allowance. Reexamination and reconsideration are respectfully requested. If, for any reason, the application is not in condition for allowance, the Examiner is requested to telephone the undersigned to

discuss the steps necessary to place the application into condition for allowance.

Respectfully submitted,



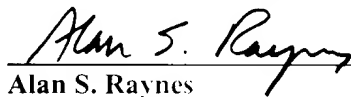
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Dated: August 22, 2003

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Alan S. Raynes

August 22, 2003  
(Date)